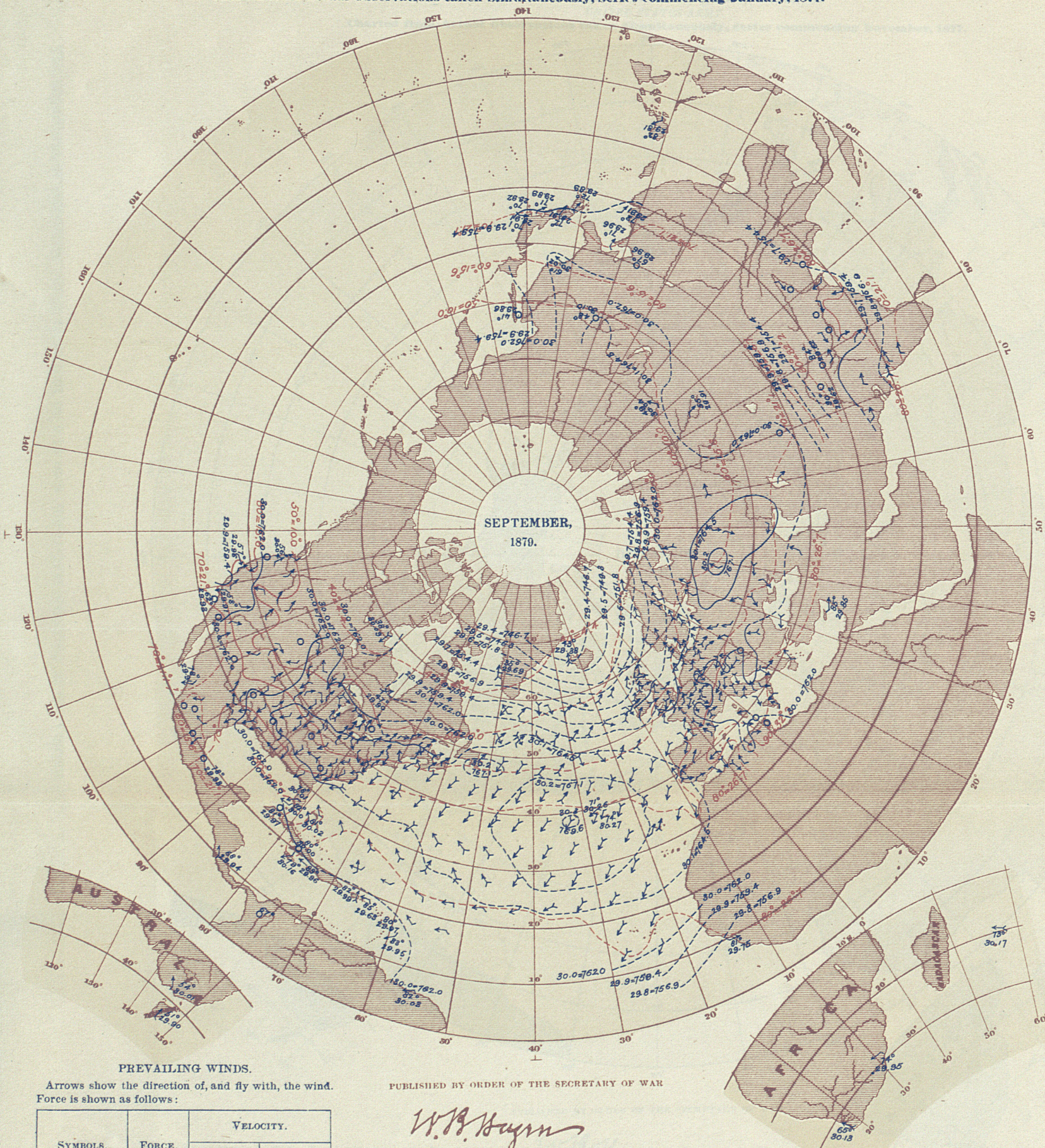


# Office of the Chief Signal Officer,

UNITED STATES ARMY.

Charted from Actual Observations taken Simultaneously, Series commencing January, 1877.

No. IV.



## PREVAILING WINDS.

Arrows show the direction of, and fly with, the wind.  
Force is shown as follows:

SYMBOLS.	FORCE.	VELOCITY.	
		Miles per hour.	Metres per second.
○	0	0	0
→	1, 2	0 to 9	0 to 4.0
→→	3, 4	9.1 to 22.5	4.1 to 10.1
→→→	5, 6	22.6 to 40.5	10.1 to 18.1
→→→→	7, 8	40.6 to 67.5	18.1 to 30.2
→→→→→	9, 10	67.6 up.	30.2 & over.

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*W. B. Hays*

Brig. & Bot. Maj. Gen'l,  
Chief Signal Officer, U. S. A.

## ISOBARS AND ISOTHERMS.

Isobars in blue; detached barometer means in English inches.  
Isotherms in red; detached temperature means in degrees Fahrenheit.  
Broken lines, are doubtful.

## INTERNATIONAL MONTHLY CHART.

Showing mean pressure, mean temperature, mean force and prevailing direction of winds at 7:35 A. M., Washington mean time, for the month of September, 1879, based on the daily charts of the International Bulletin